



# DOER Innovative Dredging Technology Research Summary

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**Background** Innovative dredging technology applications are in use worldwide. However, a programmatic or systematic approach to demonstrate, evaluate, and report on such technology did not exist.

**Description of Technology** The Army Corps of Engineers Dredging Operations and Environmental Research (DOER) Program's Innovative Dredging Technology focus area is identifying and cataloging innovative dredging operations, processes, equipment, and management techniques developed by dredging and dredging-related industries worldwide. "Innovative Dredging Technology" is defined in this context as improved dredging equipment, methods, or operations and related management activities that do not require research and development. These technologies are off-the-shelf products or established techniques. Candidate technologies with the greatest potential will be demonstrated in the field with DOER providing scientific and engineering expertise to monitor and evaluate the demonstration. Candidate technologies must demonstrate a high potential for increasing the efficiency or productivity of dredging operations to be considered for demonstration. A number of technologies developed within the Corps are currently under evaluation for potential demonstration in the DOER Program.

**Benefits** Research results will provide the Corps with a thorough evaluation of innovative technologies. System effectiveness and applicability for use of these technologies at other dredging projects will be evaluated and documented. The technical evaluations will provide a basis for preparation of a technology transfer package to include technical specifications, engineering illustrations, and operating and monitoring procedures.

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